Math News at Bates

Math Council

In the fall, Math Council hosted a showing of the film *Breaking the Code*, along with yummy treats!

On March 14, we held a Pi Day event, and of course we had to eat… well, you know. We also had a chance to talk about Senior Seminar and Senior Thesis; faculty and several seniors stood ready to share their experiences with students considering which option would be best for them.

Let's be sure to mention… PIE.

Math Camp 2011: Field trip to Range Ponds

Visiting Speakers

September 24	Shandelle Henson and Jim Hayward, Andrews University
	Mathematical Ecology: An Interdisciplinary Dialogue
November 10	Margo Levine, Harvard Medical School and Massachusetts General Hospital
	A Consistence Condition for CT Data
December 3	Michael King, Bowdoin College, CBB Seminar speaker, at Bates
	Cluster Algebras in Combinatorics, Algebraic Geometry, and Representation Theory
March 25	Paul Nahin, Sampson Lecturer, University of New Hampshire
	Afternoon: Two Problems in Mathematical Expectation
	Evening: How Computers Can Help Answer Mathematical Questions
May 5	Fernando Gouvea, Colby College, CBB Seminar speaker, at Bowdoin
	Galois Representations and the Problem of Modularity
May 9	Ken Ono, Emory University
	Adding and Counting

Bonnie Shulman with Shandelle Henson and Jim Hayward

Adriana Salerno with Paul Nahin

Department Seminars

October 7	Meredith Greer
	Toward Understanding the Role of *Gloeotrichia echinulata* in Eutrophication of Lakes: Early Modeling Results
October 13	Adriana Salerno
	The Dwork Family and Hypergeometric Functions
November 3	Peter Wong
	Automorphisms of Crystallographic Groups
November 17	Jonathan Webster
	Cubic Function Fields in Characteristic Three

Real Analysis enjoys a rare chance to have class outside in NOVEMBER

Blogging for the American Mathematical Society (AMS)

Professor Adriana Salerno began her blog, PhD Plus Epsilon, for the AMS. For a peek, go to http://blogs.ams.org/phdplus/ .

Sierpinski cookies by Grace Coulombe
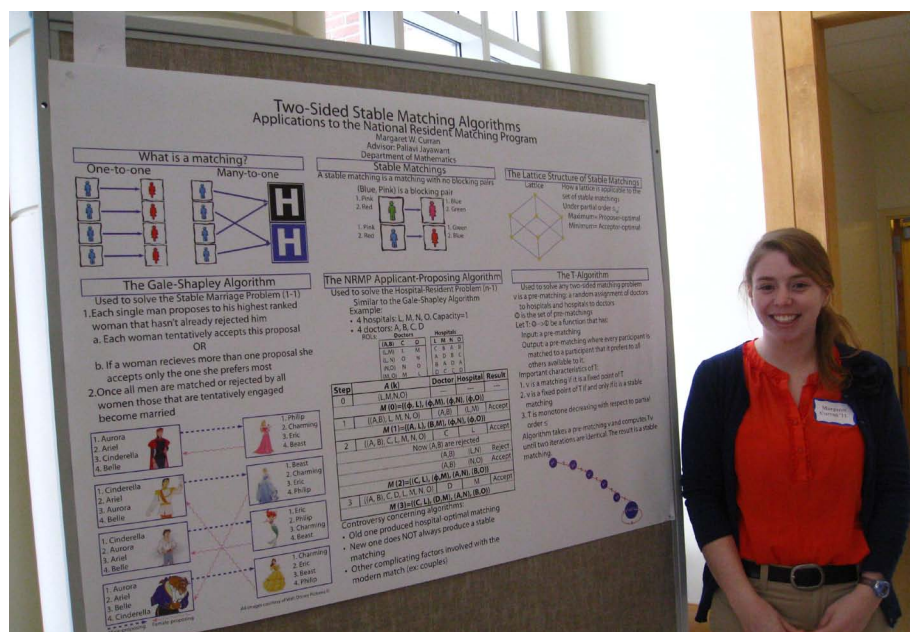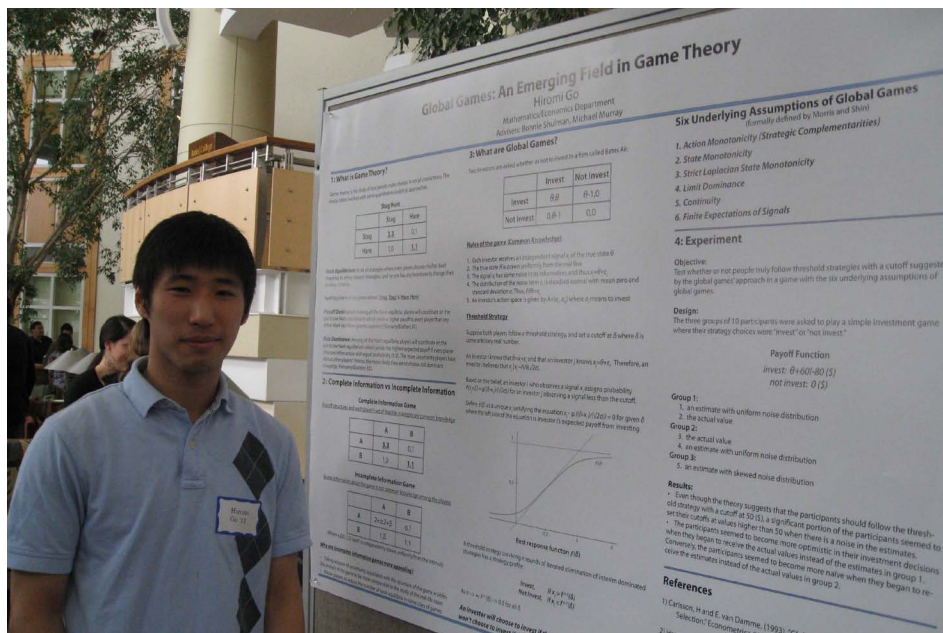
CBB Mellon Collaborative

Peter Wong of Bates joined with mathematicians from Bowdoin and Colby to organize a series of talks on Algebra, Topology, and Number Theory. They received funding from the CBB Mellon Collaborative, meant to foster connections between research programs at Colby, Bates, and Bowdoin. Talks were by both CBB presenters and outside visitors.
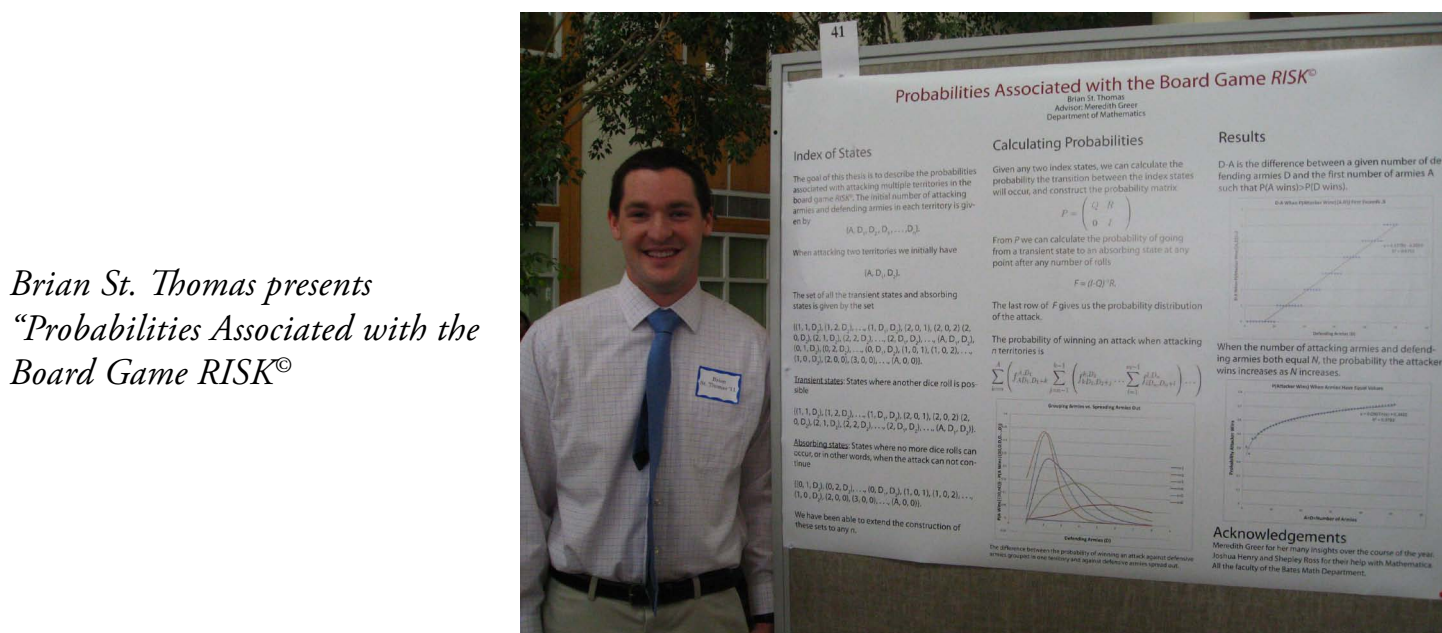
Senior Thesis at the Mount David Summit

Hiromi Go presents "Global Games: An Emerging Field in Game Theory"

Meg Curran presents "Two-Sided Stable Matching Algorithms"

Brian St. Thomas presents "Probabilities Associated with the Board Game RISK©"

New course this year: Mathematics for a Just World (MATH 112)

One of the projects in this class was to organize an "Unemployment Rate Debate" where different teams took the roles of the Federal Government, a (fictitious) National Association of Men (NAM), the Regional Governors Group (representing different regions of the U.S.) and a (fictitious) Alliance for the Advancement of Women (AAW). They analyzed the *same* unemployment data, and made arguments to support their groups' interests (often conflicting with each other).

Putnam Exam

Twenty Batesies took the 2010 Putnam exam - a record number for us! Three tied for top score at Bates: congratulations to Tianjiao Yan, Hong Nguyen, and Qasim Mahmood.

PHOTO FEATURE

This year's Senior Seminar: Chaotic Dynamical Systems

Senior dinner at DaVinci's

Celebrating the completion of their math majors!